



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 1, 2008

William D. Gallo, President
AREVA Federal Systems, LLC
1102 Broadway Plaza, Suite 300
Tacoma, WA 98402-3526

SUBJECT: AMENDMENT OF CERTIFICATE OF COMPLIANCE NO. 9070 FOR
MODEL N-55 TRANSPORTATION PACKAGE

Dear Mr. Gallo:

As requested in your letter dated November 26, 2007, enclosed is Certificate of Compliance (CoC) No. 9070, Revision No. 18, for the Model N-55 transportation package. The staff's Safety Evaluation Report is also enclosed. This revision supersedes, in its entirety, CoC No. 9070, Revision No. 17, dated January 18, 2005. Changes made to the enclosed CoC are indicated by vertical lines in the margins.

Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR §71.17 and 49 CFR §173.41. The approval constitutes authority to use the package for shipment of radioactive material and for the package to be shipped in accordance with the provisions of 49 CFR §173.471. Registered users may request by letter to remove their names from the Registered Users List if they are no longer users of the package.

If you have any questions regarding this certificate, please do not hesitate to contact me at (301) 492-3294.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Nelson", is written over a horizontal line.

Robert A. Nelson, Chief
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Docket No.: 71-9070
TAC No.: L24155

Enclosures: 1. CoC No. 9070, Rev No. 18
2. Safety Evaluation Report
3. Registered users list

cc w/encl 1 & 2: R. Boyle, Department of Transportation
J. M. Shuler, Department of energy
Registered Users

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES**

1 a CERTIFICATE NUMBER	b REVISION NUMBER	c DOCKET NUMBER	d PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
9070	18	71-9070	USA/9070/B(U)	1 OF	3

2 PREAMBLE

- a. This certificate is issued to certify that the package (packaging and contents) described in Item 5 below meets the applicable safety standards set forth in Title 10, Code of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material."
- b. This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3 THIS CERTIFICATE IS ISSUED ON THE BASIS OF A SAFETY ANALYSIS REPORT OF THE PACKAGE DESIGN OR APPLICATION

- | | | |
|---|--|---|
| a | ISSUED TO (<i>Name and Address</i>)
AREVA Federal Services LLC
1102 Broadway Plaza, Suite 300
Tacoma, WA 98402-3526 | b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION
VECTRA Technologies, Inc., application dated
July 21, 1994, as supplemented. |
|---|--|---|

4 CONDITIONS

This certificate is conditional upon fulfilling the requirements of 10 CFR Part 71, as applicable, and the conditions specified below.

5.

(a) Packaging

- (1) Model No.: N-55
- (2) Description

A low carbon steel overpack filled with rigid polyurethane foam. The containment vessel is a 55-gallon steel drum. The overpack is a right circular cylinder 48 inches high by 32 inches diameter with a 34-1/2-inch high by 24-inch diameter cavity. The 18 or 20-gauge galvanized steel shell is filled with 3-pound per cubic foot rigid polyurethane foam. The inner shell is molded fiberglass. Closure of the upper and lower (lid and body) sections of the overpack is provided by four toggle clamps, and a neoprene gasket at the stepped joint between the two sections. Four lugs are provided for lifting. The steel drum is minimum 18-gauge steel with a minimum 14-gauge lid and a gasket. Closure of the drum is by way of a 12-gauge locking ring with dropped forged lugs and a 5/8-inch diameter bolt and lock nut. The package gross weight is approximately 750 pounds.

(3) Drawing

The packaging is constructed in accordance with Nuclear Packaging, Incorporated Drawing No. X-60-200D, Rev. C, or X-60-200D-SP, Rev. J.

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES**

1	a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
	9070	18	71-9070	USA/9070/B(U)	2 OF	3

(b) Contents

(1) Type and form of material

- (a) Radioactive material in the form of dewatered, solid or solidified materials meeting the requirements of low specific activity material, contained in steel drums.
- (b) Radioactive material meeting the requirements of special form radioactive material, contained in steel drums.
- (c) Radioactive material in the form of solid metal pieces or activated solid metal components, contained in steel drums.

(2) Maximum quantity of material per package

Greater than Type A quantities of radioactive material. Fissile material contents not to exceed the generally licensed mass limits as specified in 10 CFR 71.15. Plutonium in excess of 20 curies per package must be in the form of metal, metal alloy or reactor fuel elements, or must meet the requirements of special form radioactive material. Internal decay heat not to exceed 3 watts.

- 6. The maximum weight of contents, including drum, not to exceed 550 pounds.
- 7. The steel drum must be in accordance with Appendix 1.3.2 of the supplement dated October 20, 1994.
- 8. The drum must be securely positioned in the overpack.
- 9. Contents must be securely positioned so that protrusions will not puncture the drum under normal or accident conditions.
- 10. The lifting lugs must be rendered inoperable for tie-down during transport.
- 11. In addition to the requirements of Subpart G of 10 CFR Part 71:
 - (a) The package must meet the Acceptance Tests and Maintenance Program of Chapter 8.0 of the application; and
 - (b) The package shall be prepared for shipment and operated in accordance with the Operating Procedures in Chapter 7.0 of the application.
 - (c) Authorization by this certificate only applies to the N-55 package S/N PT-001, fabricated by Packaging Technology on January 21, 1999.

**CERTIFICATE OF COMPLIANCE
FOR RADIOACTIVE MATERIAL PACKAGES**

1 a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. DOCKET NUMBER	d. PACKAGE IDENTIFICATION NUMBER	PAGE	PAGES
9070	18	71-9070	USA/9070/B(U)	3 OF	3

12. The packaging authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR 71.17.
13. Revision No. 17 of this certificate may be used until December 31, 2008.
14. Expiration date: January 31, 2010.

REFERENCES

VECTRA Technologies, Incorporated, application dated July 21, 1994.

Supplements dated: August 22 and October 20, 1994; and February 6, 1998.

Transnuclear, Inc., supplement dated February 5, 1998, and December 3, 1999.

Packaging Technology, Incorporated, letters dated April 11, 2000, December 17, 2004, and November 26, 2007.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION



Robert A. Nelson, Chief
Licensing Branch
Division of Spent Fuel Transportation and Storage
Office of Nuclear Material Safety
and Safeguards

Date: January 1, 2008



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION REPORT

Docket No. 71-9070
Model No. N-55
Certificate of Compliance No. 9070
Revision No.

SUMMARY

By application dated November 26, 2007, Packaging Technology, Inc., and AREVA Federal Systems, LLC, jointly requested an amendment to Certificate of Compliance (CoC) No. 9070, for the Model No. N-55 transportation package. The applicants requested that this CoC be transferred from Packaging Technology, Inc., to AREVA Federal Services, LLC, effective January 1, 2008.

EVALUATION

By application dated November 26, 2007, Packaging Technology, Inc., and AREVA Federal Systems, LLC (hereinafter, AREVA), jointly requested that CoC No. 9070 for the Model No. N-55 transportation package be transferred from Packaging Technology, Inc., to AREVA effective January 1, 2008. The applicants stated that Packaging Technology will commence doing business as AREVA on that date. AREVA stated that it accepts responsibility for the completeness and accuracy of the statements and representations in the safety analysis report (SAR) for this docket. In addition, AREVA stated that it will maintain the CoC, SAR, and, in cases where packages have been fabricated, the quality assurance records. The staff has verified that AREVA received Quality Assurance Program Approval No. 0938, Rev 0, on October 11, 2007, as stated in its application. Therefore, the name in paragraph 3.a of the CoC was changed as requested.

The certificate was revised to include Condition No. 13 which authorizes use of the previous revision of the certificate for a period of approximately one year.

CONCLUSION

The CoC has been revised to state that the CoC holder is AREVA Federal Services, LLC. This change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with CoC No. 9070, Rev. 18 on January 1, 2008.